

SUBSCRIBER SETS  
PLASTIC COVER BELL BOXES  
COMMON BATTERY AND MAGNETO

This index lists the information that forms a part of, or supplements this specification, and indicates the authorized issues thereof.

[illegible]

c—Information in accordance with that currently authorized.

Appearance - Cleaning - Finish

- 3.04 Surfaces exposed to view in service, on the parts of the subscriber set listed in 2.01, shall conform to appearance standards.
- 3.05 Subscriber sets which do not meet the requirements of 3.04 may be restored to conform to appearance standards in accordance with the following:
- (a) Covers may be cleaned with KS-14427 cleaning emulsion or with a "Soap and Water Solution."
  - (b) Exterior surfaces of the covers may be buffed.
  - (c) Edges of the base and exposed screwheads on the cover may be touched up or sprayed with "Black Lacquer."
- 3.06 If a phenol plastic cover has a standard colored finish which is in good condition, firmly adherent with no badly scratched or chipped areas, "Black Lacquer" shall be sprayed directly over the old finish after the latter has been thoroughly cleaned, particularly of oil and grease. Otherwise the old finish shall be removed completely and the exposed surfaces of the cover given a coat of "Black Lacquer."
- 3.06A When specified by the telephone company, plastic covers may be refinished in light olive gray (-49) with an approved "Acrylic Lacquer."
- 3.07 Edges of the bases with standard colored finishes shall be brushed or sprayed with "Black Lacquer."
- 3.08 The interior of the set shall be cleaned.

Cover

- 3.09 Cover shall be capable of being locked.
- 3.10 On phenol plastic covers, the cover lock screws shall be equipped with a check nut and shall have the thread of the screw upset approximately 5/16 inch from the end in order to prevent the nut from backing off; or the lock screws shall be equipped with a retainer above the threaded portion of the screw.
- CH

3.11 On thermoplastic covers the cover lock screws shall not fall out of the cover lock-screw holes when the cover is shaken while held upside down with the screws in a vertical plane and free to fall of their own weight.

Note: In removing and replacing cover lock screws, the screws shall be threaded through the lock-screw holes.

3.12 All sets except extension ringers shall have a cord anchor. If the cord anchor is so loose that it may come off in service, it shall be restaked. Sets with numbered-type ringers shall be equipped with a cord clamp or a cord holder.

#### Terminals

3.13 Terminal designations shall be legible. Unconnected terminals and terminal screws required for external connections to the set shall be present.

3.14 Replaced terminal screws need not be staked. They shall be run down, however, to prevent loss in transit.

3.15 Illegible terminal designations shall be restamped with "Printers Ink" or equivalent. Black finished blocks shall be stamped with red ink and natural finished blocks with black ink in accordance with the applicable terminal information in BSRS-353.001 (see index).

#### Wiring

3.16 Wiring shall not have insulation frayed or damaged to such an extent that bare wire may touch adjacent terminals, wires, or apparatus.

3.17 Wires may be cut back or replaced.

3.18 Defective insulation, which extends for a distance not exceeding 1/2 inch along any conductor when the insulation is smoothed out along the wire, shall be repaired. At least two complete turns of No. 33 Scotch Electrical Tape or an approved equivalent shall be used. The tape shall overlap the undamaged portion of the insulation by at least 1/8 inch. Loose insulation adjacent to cord tips shall be pushed toward the cord tip and taped so that the tape overlaps the shank of



the cord tip. Care shall be taken that the adhesive on the outer end of the tape does not become so contaminated as to reduce its adhesion, and the outer end of the tape shall be pressed firmly in place.

3.19 When wires are added or replaced, H or BD type wire of the color indicated in the applicable Subdivision of BSRS-353. shall be used. Old wires in the set, if in satisfactory condition, may be used and need not conform to colors specified in the circuit diagrams. Replaced or added wires intended for connection to screw terminals shall be equipped with solderless cord tips.

3.20 Wires shall be dressed:

- (a) To allow access to terminal screws for external connections.
- (b) To avoid touching the induction coil cover. If a 101A or 101B induction coil of the cellulose acetate type of construction is used in the set, this requirement need not apply. However, sets having 101A coils of paper construction type, which have the code number stamped on the spoolhead, shall meet this requirement.
- (c) To clear moving parts.

#### Connections

3.21 Sets shall be connected in accordance with the applicable circuit diagram of BSRS-353.001 (see index). ←

#### Varistor

3.22 If the seal between the clamping screwhead and the washer or between the clamping nut and the bracket of the varistor in the 684BH subset is cracked or broken to an extent indicating that the clamping screw or nut may have been tightened or loosened, the varistor shall be replaced. Small chips in the finish on other parts of the varistor are permissible.

Note: In soldering or unsoldering leads on the varistor, care shall be exercised to minimize heating of the varistor.



TABLE A

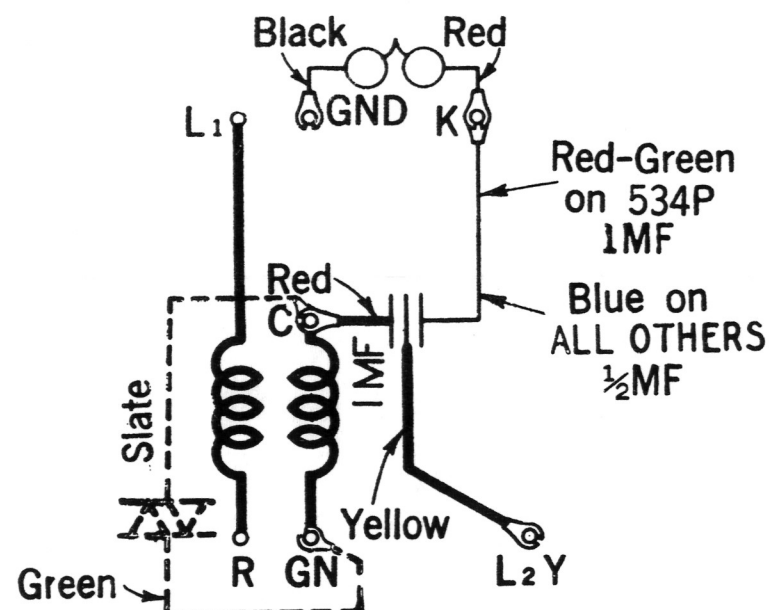
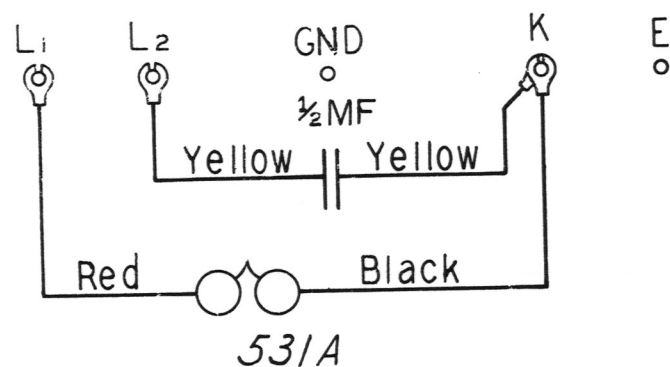
| CODE     | CONDENSER                                                                      | INDUCTION COIL         | RINGER                                | GONGS                                                                                                | MISC.                                                            |
|----------|--------------------------------------------------------------------------------|------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| ∅ 531A   | 198B                                                                           | -                      | BLAL                                  | -                                                                                                    | -                                                                |
| 584A     | 149A or <u>449A</u>                                                            | 46C                    | 78A or 78AA                           | One 36A and one 37A or, when specified in order, two 36B or two 36D or one 39A                       | -                                                                |
| C        | 149A or <u>449A</u>                                                            | 46C                    | -                                     | -                                                                                                    | -                                                                |
| ∅ D      | 149A or <u>449A</u>                                                            | -                      | 78A or 78AA                           | Same as 584A                                                                                         | -                                                                |
| BA       | 147D with 78J or 78JA ringer or 195A with BLAL Ringer                          | 46C                    | 78J or 78JA or <u>BLAL</u> (See 6.02) | Same as 584A (for 78-type ringer)                                                                    | -                                                                |
| ∅ DC     | 1149A or <u>449G</u> when specified in order                                   | -                      | 65A                                   | One 36A and one 37A                                                                                  | -                                                                |
| ∅ DD     | 1149A or <u>449G</u> when specified in order                                   | -                      | 65B                                   | Same as 584A                                                                                         | -                                                                |
| ∅ DE     | 1149B or <u>449H</u> with 78J or 78JA ringer; or 195A or 198B with BLAL ringer | -                      | 78J or 78JA or <u>BLAL</u> (See 6.02) | Same as 584BA                                                                                        | -                                                                |
| ∅ DF     | 1149A or <u>449G</u> when specified in order                                   | -                      | 78A or 78AA                           | Same as 584A                                                                                         | -                                                                |
| ∅ DG     | 1149A or <u>449G</u> when specified in order                                   | -                      | 78AB or <u>B4A</u>                    | Same as 584A                                                                                         | 91A resistance                                                   |
| ∅ DH     | 149B or <u>449B</u>                                                            | -                      | BLAL                                  | As specified in order                                                                                | -                                                                |
| 684A     | 194A or <u>194AB</u>                                                           | 146C or <u>101A</u>    | 78A or 78AA                           | Same as 584A                                                                                         | -                                                                |
| C        | 147A or 147AB, or <u>447A</u>                                                  | 146C or <u>101A</u>    | -                                     | -                                                                                                    | -                                                                |
| J        | 194A or <u>194AB</u>                                                           | 146C or <u>101A</u>    | 78A or 78AA                           | Same as 584A                                                                                         | -                                                                |
| BA       | 194B or 194BB with 78J or 78JA Ringer, or 195A with BLAL ringer                | 146C or <u>101A</u>    | 78J or 78JA or <u>BLAL</u> (See 6.02) | Same as 584BA                                                                                        | -                                                                |
| BC       | 194A or <u>194AB</u>                                                           | 146C or <u>101A</u>    | 78AA                                  | Same as 584A                                                                                         | -                                                                |
| BH       | 147A or 147AB or <u>447A</u>                                                   | 146C or <u>101A</u>    | -                                     | -                                                                                                    | 7A buzzer, 3A Varistor, and 61A filter (when specified in order) |
| BS       | 194B or 194BB with 78J or 78JA Ringer, or 195A with BLAL ringer                | 146C or <u>101A</u>    | 78J or 78JA or <u>BLAL</u> (See 6.02) | Same as 584BA                                                                                        | -                                                                |
| CK       | 194B or 194BB with 78J or 78JA ringer, or 195A with BLAL ringer                | 101B                   | 78J or 78JA or <u>BLAL</u> (See 6.02) | Same as 584BA                                                                                        | -                                                                |
| CL       | 194A or <u>194AB</u>                                                           | 101B                   | 78A or 78AA                           | Same as 584A                                                                                         | -                                                                |
| +D-99472 | D-99310 or <u>195A</u>                                                         | D-98633 or <u>101B</u> | D-97462 or <u>BLAL</u>                | One 41A and one 41B or, when specified in order, two 40C or one 40D and one 40E (for D-97462 ringer) | -                                                                |
| xD-99473 | D-99310 or <u>195A</u>                                                         | D-98633 or <u>101B</u> | D-99476                               | Same as D-99472                                                                                      | -                                                                |

+ The D-99472 marking shall be replaced with marking 684CK (see 5.02).

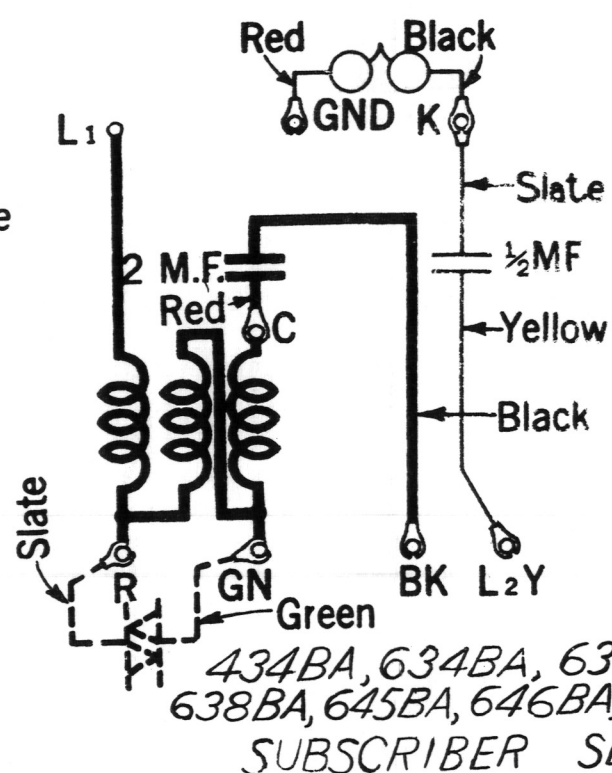
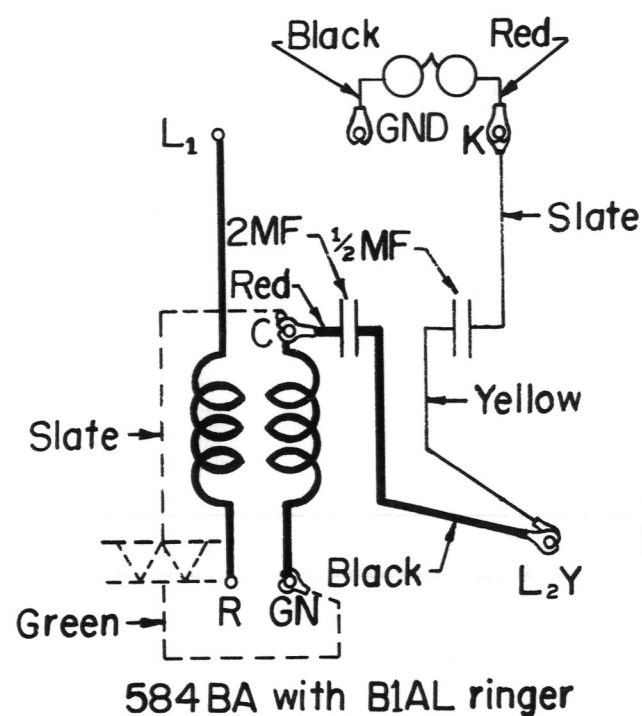
x The D-99473 marking shall be replaced with marking 684CK provided that the slate and red-red (slate-red) leads of D-99476 ringer are connected together to obtain the equivalent of the BLAL ringer (see 5.02).

∅ Extension ringer-type subsets.

Note: Where alternate coded parts are listed, the older type of apparatus should be used, when available in preference to the newer type unless otherwise specified in the order. When it becomes necessary, however, to obtain new items from the factory, the underlined coded parts should be ordered.



334BA, 534P, 537BA, 538BA,  
545BA, 546BA, 534BA, 584BA with 78 type ringer  
SUBSCRIBER SETS



LA-

DIMENSIONS UP TO AND INCLUDING 72 INCHES EXPRESSED IN INCHES

ESL-767970 A-  
ISSUE

|                                                         |              |
|---------------------------------------------------------|--------------|
| USED ON                                                 | DWG.         |
| MANUFACTURE                                             | DISCONTINUED |
| SUBSETS<br>(BELL BOXES)<br>CONNECTIONS                  |              |
| DRAWN                                                   | APPROVED     |
| CHECKED                                                 |              |
| WESTERN ELECTRIC CO.<br>INC.<br>ENGINEER OF MANUFACTURE |              |
| LA-                                                     |              |
| L                                                       |              |

ISSUE: 1 3-11-38  
REDRAWN FROM ISSUE 1  
WITH CHANGES IN COMP-  
LIANCE WITH D353.001

ISSUE: 2 8-8-41  
IN FIG. 12, 334BA, 537BA,  
538BA, 545BA, 546BA & IN  
FIG. 13, 434BA, 637BA,  
638BA, 645BA, 646BA,  
WERE NOT SPEC.

ISSUE: 3 7-18-44  
FIG. 28 WAS NOT  
SHOWN.

ISSUE: 4 12-22-47  
IN TITLE BOX "CONNECTIONS"  
WAS "B.S.P. D 353.001" IN  
VIEW AT UPPER LEFT AT  
CAPACITOR "1/2 MF" & IN  
VIEW AT UPPER RIGHT IN  
TITLE "WITH 78 TYPE RINGER"  
WERE NOT SPEC. VIEW AT  
LOWER LEFT WAS NOT  
SHOWN. FIG. 28, FIG. 12,  
& FIG. 13 WERE SPEC. FOR  
UPPER LEFT, UPPER & LOWER  
RIGHT VIEWS RESP.

ISSUE: 5 12-30-53

APPLD 124  
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BELL TELEPHONE  
LABORATORIES, INC.  
NEW YORK

ESL-767970  
LA-

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